Appendix A Public Notification That a Potential Event Was Occurring (40 CFR §50.14(c)(1))

FIGURE A-1 NATIONAL WEATHER SERVICE PUBLIC ZONES

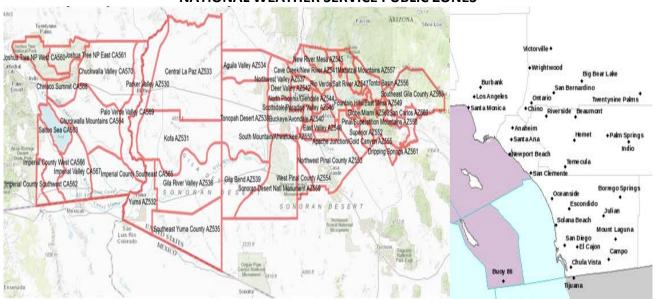


Fig A-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

The Appendix Supplemental contains all the pertinent National Weather Service notices issued by either the San Diego or Phoenix office in date and time order.

FIGURE A-2 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE SAN DIEGO



Fig A-2: The Area Forecast Discussion, issued 755 PM PST (855 PM PDT) on July 6, 2015 identifies a low-pressure system moving slowly inland and the dry southwest flow ahead of the low-pressure. Source: AFD from NWS SGX; Iowa Environmental Mesonet; https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507070355

FIGURE A-3 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE SAN DIEGO

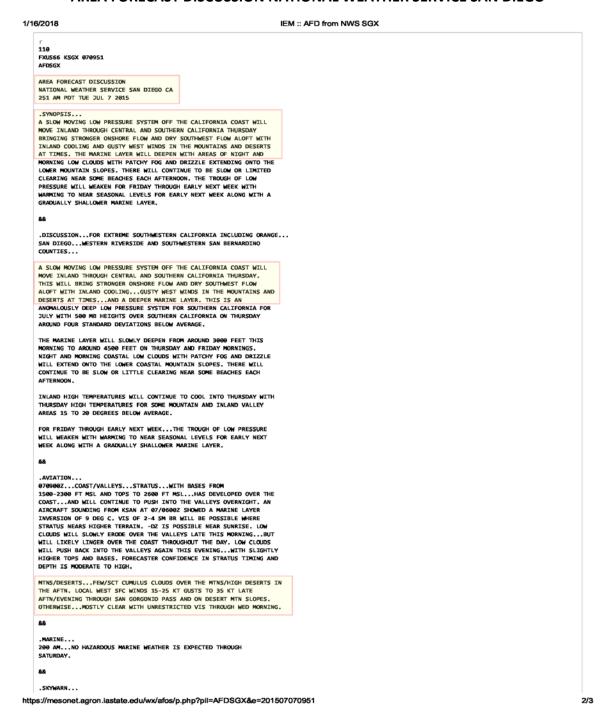


Fig A-3: The Area Forecast Discussion, issued at 151 AM PST (251 AM PDT) on July 7, 2015 identifies the slow moving low-pressure off the California coast moving inland. Source: AFD from NWS SGX; lowa Environmental Mesonet;

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507070951

FIGURE A-4 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE PHOENIX

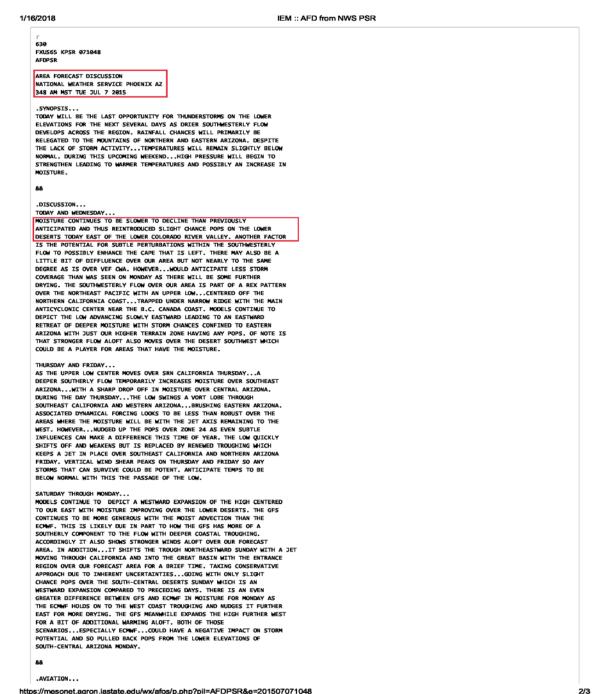


Fig A-4: The Area Forecast Discussion, issued at 248 AM PST (348 AM PDT) on July 7, 2015 identifies the continuance of moisture and the chances of reintroduced POPS on the lower deserts east of the Colorado River Valley. Source: AFD from NWS SGX; Iowa Environmental Mesonet;

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201507071048

FIGURE A-5 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE SAN DIEGO – PAGE 1

1/9/2018 IEM :: AFD from NWS SGX

FXUS66 KSGX 071630 AFDSGX

AREA FORECAST DISCUSSION NATIONAL MEATHER SERVICE SAN DIEGO CA 930 AM PDT TUE JUL 7 2015

.SYNOPSIS..

A LOW PRESSURE SYSTEM OFF OF THE CALIFORNIA COAST WILL SLOWLY MOVE INLAND THROUGH THURSDAY. THIS FEATURE WILL HELP TO INCREASE ONSHORE FLOW...CREATE COOLER CONDITIONS...AND PRODUCE A DEEP MARINE LAYER MEST OF THE MOUNTAINS. IN ADDITION...CLEARING WILL BE LIMITED AT THE BEACHES AND ALONG THE COAST THROUGH THE END OF THE MORK MEEK WITH DRIZZLE POSSIBLE DURING THE EARLY MORNINGS. AS THE SYSTEM MOVES EAST OF THE AREA FRIDAY THE MEEKEND...EXPECT SLIGHTLY WARMER MEATHER AND A SHALLOWER MAKINE LAYER.

88

.DISCUSSION...FOR EXTREME SOUTHMESTERN CALIFORNIA INCLUDING GRANGE...
SAN DIEGG...WESTERN RIVERSIDE AND SOUTHMESTERN SAN BERNARDING
COUNTIES...

.SHORT TERM...

THE 12Z NKX SOUNDING...ALONG WITH METAR OBSERVATIONS AND PILOT REPORTS...INDICATED A DEEP MARTHE MITH BASES NEAR 1000 FT MSL AND TOPS BETHER 2500-2800 FT MSL. A 9 DEGREE C TEMPERATURE INVERSION MAS ALSO NOTED...TYPICALLY STRONG ENOUGH TO KEEP LOW CLOUDS FROM SCATTERING OUT ALONG THE COAST DURING THE AFTERNOON. THE DRIZZLE THIS MORRING MAS PATCHY MEST OF THE MOUNTAINS WITH A HANDFUL OF STATIONS UP PICKING UP 0.01" OF ACCUMULATION. DISHORE SURFACE PRESSURE GRADIENTS REMAIN MODERATELY STRONG. FOR EXAMPLE...SAN TO KTPL MASS OBSERVED AT 47.2 MB.

WATER VAPOR IMAGERY AT 830 AM PDT SHOWED A DEEP CLOSED LOW PRESSURE SYSTEM SPINNING AGO MILES WEST OF SAN FRANCISCO. THIS FEATURE WILL CONTINUE OI INFLUENCE THE MEATHER PATTERN ACROSS SOUTHERN CALTFORNIA THROUGH THURSDAY BY DEEPENING THE MARINE LAYER...INCREASING ONSHORE FLOW..AND CREATING COOLER CONDITIONS OVER THE REGION. AFTERNOON CLEARING MAY BE LIMITED ALONG THE BEACHES/COASTAL ZONES AND EARLY MORNING DRIZZLE WILL AGAIN BE POSSIBLE. MINDS IN THE MOUNTAINS AND DESERTS WILL BECOME GUSTY AT TIMES...REACHING 30 TO 40+ MPH IN THE MIND PRONE AREAS BETWEEN PASSES...SUCH AS THE SAN GORGONIO PASS...AND ON THE DESERT SLOPES. LOWERING 500 MB HEIGHTS AND INCREASED ONSHORE FLOW WILL KEEP CONDITIONS 10 TO 20 DEGREES BELOW NORWAL FOR THIS TIME OF YEAR ACROSS THE INLAND EMPIRE...INLAND VOUNTAINS.

8.8

.LONG TERM...

FOR FRIDAY THROUGH THIS MEEKEND...THE LOW PRESSURE SYSTEM IS PROGGED TO MOVE EAST OF THE AREA MITH A MEAK TROUGHING PATTERN FILLING IN BEHTIND. THIS MOULD BRITIS SLIGHT MARRING MEST OF THE MOUNTAINS...A SHALLOMER MARINE LAYER...AND BETTER AFTERNOON CLEARING OF LOW CLOUDS ALONG THE COAST. LONG RANGE MODELS DIVERGE EARLY TO MID NEXT MEEK AS THE 60Z GFS INDICATES A RIDGE BUILDING OVER THE FOUR CORNERS REGION WHICH MOULD BRING MARMER MEATHER AND THE RETURN TO THE MOIST MONSONAL FLOW. HOWEVER...THE 60Z ECMMF INDICATES ANOTHER TROUGH BUILDING THE ALONG THE MEAT COAST...MICH MOULD KEEP CONDITIONS ONY AND PROLONG THE COOL CLOUDY CONDITIONS WEST OF THE MOUNTAINS. FOR THE MOMENT...MILL RETAIN A BLEND OF THE TWO...UNITLL THE MODELS CAN MORK OUT THEIR DIFFERENCES.

8.8

.AVIATION...

0715182...COAST/VALLEYS...OVC-BKN STRATUS FILLING THE COAST AND VALLEYS...WITH BASES GENERALLY 1200-1600 FT MSL AND TOPS AROUND 2700-3500 FT MSL...MILL SIOMLY CLEAR OUT OF THE VALLEYS THROUGH 1900 UTC...MITH BKN-OVC STRATUS 1600-2500 FT MSL LINGERING MITHIN 10 SM OF THE SAN DIEGO COUNTY COAST THROUGH 08/0200 UTC...INCLUDING KCRQ AND KSAN. BETTER CHANCE OF THE ORNIGE COUNTY COAST CLEARING...PROBABLY BY 2200 UTC. 9 DEG C MARINE LAYER INVERSION THIS MORNING. 08/0200-1500 UTC...OVC STRATUS FILLING IN OVER THE COAST AND VALLEYS AGAIN...MITH SIMILAR BASES AND TOPS TO THIS MORNING. FORECAST CONFIDENCE MODERATE-TO-HIGH.

MTNS/DESERTS...MOSTLY SKC WITH UNRESTRICTED VIS THROUGH WEDNESDAY

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507071630

2/3

FIGURE A-5 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE SAN DIEGO – PAGE 2





https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507071630

3/3

Fig A-5: The Area Forecast Discussion, issued at 830 AM PST (930 AM PDT) on July 7, 2015 identified the low-pressure off San Francisco with increasing onshore through Thursday and resulting west winds. Source: AFD from NWS SGX; Iowa Environmental Mesonet; https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507071630

FIGURE A-6 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE SAN DIEGO

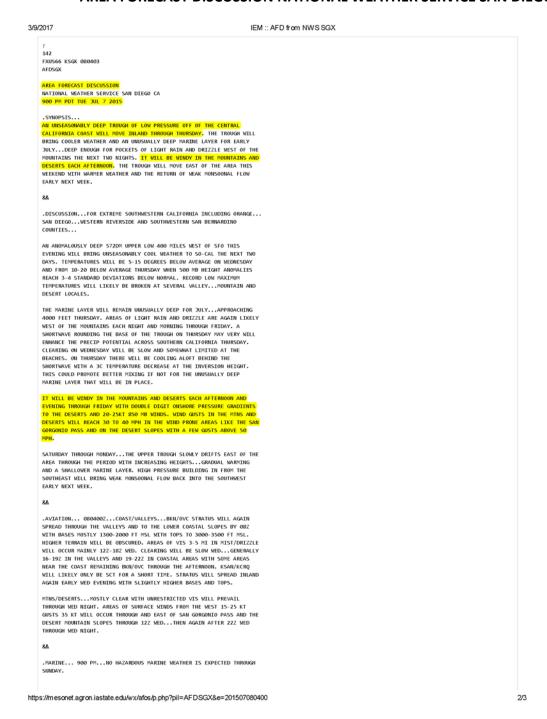


Fig A-6: The Area Forecast Discussion, issued 800 PM PST (900 PM PDT) on July 7, 2015 identified an unseasonably deep trough of low-pressure off the Central California coast moving inland bringing windy condition to the mountains and deserts. Source: AFD from NWS SGX; Iowa Environmental Mesonet:

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507080400

FIGURE A-7 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE SAN DIEGO



Fig A-7: The Area Forecast Discussion, issued 237 AM PST (337 AM PDT) on July 8, 2015 identified an unseasonably deep trough of low-pressure off the Central California coast moving inland bringing windy condition to the mountains and deserts. Source: AFD from NWS SGX; Iowa Environmental Mesonet:

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507081037

3/9/2017

FIGURE A-8 URGENT WEATHER MESSAGE WIND ADVISORY SAN DIEGO

IEM :: NPW from NWS SGX

← Previous in Ti	me		
/iew All KSGX P	roducts for 08 Jul 2	15	
Next in Time →			
Latest Product	View As Image		
743 MUS76 KSGX 081 IPWSGX	054		
RGENT - WEATHE NATIONAL WEATHE 54 AM PDT WED	R SERVICE SAN DIE	0 CA	
	THE DESERTS	AND AGAIN THURSDAY THROUGH THE	
STRONG ONSHORE	FLOW WILL GENERA	E STRONG AND GUSTY MINDS AT	
	Y.0023.150708T210 Y DESERTS-SAN GOR	Z-150710T0600Z/ PASS NEAR BANNING	
wind advisor	Y IN EFFECT FROM	PM THIS AFTERNOON TO 11 PM PDT	
		AN DIEGO MAS ISSUED A MIND M 2 PM THIS AFTERNOON TO 11 PM	
		0 60 MPH AT TIMES, STRONGEST G AND AGAIN THURSDAY AFTERNOON	
		ONG INTERSTATE 10 AND <mark>INTERSTATE</mark> MOUNTAINS AND DESERTS.	
	BLOWING DUST AND S LES AT TIMES IN T	AND COULD REDUCE VISIBILITY TO E DESERTS.	
	H PROFILE VEHICLE RONG CROSS WINDS.	COULD HAVE DIFFICULTY NAVIGATING	
OUTLOOKSTR NIGHT INTO FR		DUALLY SUBSIDE LATE THURSDAY	
RECAUTIONARY/P	REPAREDNESS ACTIO	5	
HIS STRONG CAN		DVER 50 MPH ARE EXPECTED. MINDS ICULTESPECIALLY FOR HIGH DN.	
&			
\$			
МВ			
opyright © 2001-2017, Iowa State University of Science and Technology. I abbreviations ♥ contact us ⊁ development ▲ disclaimer !≣ list apps		Search Site with Google	
		Enter search term	

Fig A-8: The Urgent Weather Message, issued at 254 AM PST (354 AM PDT) on July 8, 2015 identified strong winds and strong onshore. Interstate 8 and blowing dust and sand are identified. Source: NPW from NWS SGX; Iowa Environmental Mesonet: https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201507081054

Colin Atagi, The Desert Sun 6:48 a.m. PDT July 8, 2015

afternoon.

FIGURE A-9 WIND ADVISORY FOR COACHELLA VALLEY

Coachella Valley under wind advisory Wednesday



(Photo: Colin Atagi/The Desert Sun)

Coachella Valley residents are waking up to breezy conditions that are expected to get worse Wednesday

The National Weather Service has issued a wind advisory that's scheduled to kick in at about 2 p.m. for communities in the western portion of the valley. It's scheduled to end at 11 p.m. Thursday.

Gusts may reach 60 mph. They should be strongest in and near the San Gorgonio Pass, according to the Weather Service.

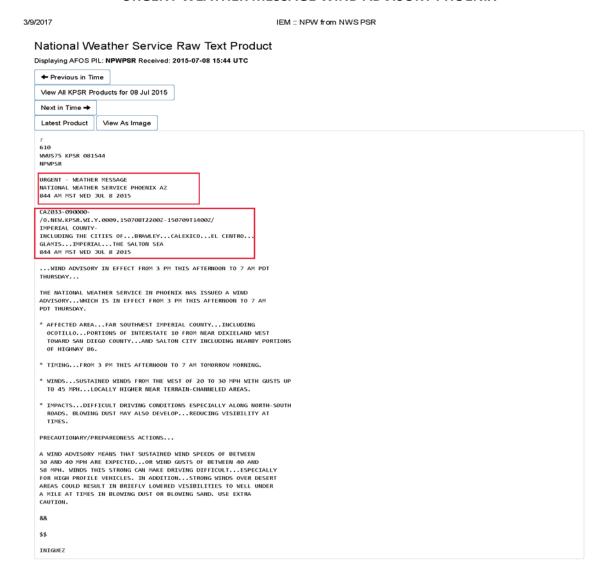
The agency is encouraging residents to prepare for limited visibility due to blowing sand and dust. Large vehicles, such as semi trucks, may also be at risk.

Winds will help lower temperatures in the area. A high of 103 degrees is expected Wednesday with a high of 100 degrees Thursday.

Read or Share this story: http://desert.sn/1IJ8jrG

Fig A-9: The Desert Sun published the National Weather Service wind advisory identifying gusts potentially as high as 60 mph. Source: The Desert Sun.

FIGURE A-10 URGENT WEATHER MESSAGE WIND ADVISORY PHOENIX



https://mesonet.agron.iastate.edu/wx/afos/p.php?piI=NPWPSR&e=201507081544

1/2

Fig A-10: The Urgent Weather Message, issued 744 AM PST (844 AM MST) on July 8, 2015 identified sustained winds from the west of 20 to 30 mph with gusts up to 45 mph potentially affecting Imperial County. Source: AFD from NWS SGX; Iowa Environmental Mesonet:

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201507081544

FIGURE A-11 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE SAN DIEGO

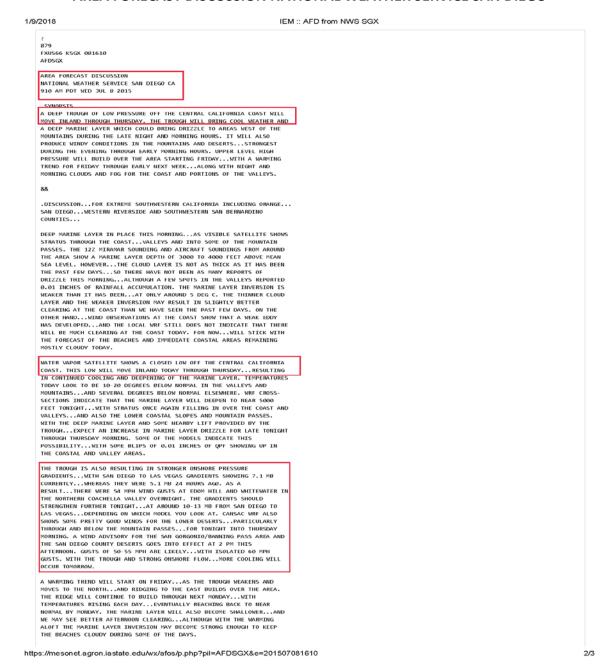


Fig A-11: The Area Forecast Discussion, issued 810 AM PST (910 AM PDT) on July 8, 2015 identified the trough of low-pressure off the Central California coast resulting in stronger onshore pressure gradients and gusty westerly winds affecting the mountains and deserts. Source: NPW from NWS SGX; Iowa Environmental Mesonet: https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507081610

FIGURE A-12 URGENT WEATHER MESSAGE WIND ADVISORY SAN DIEGO

2017	IEM :: NPW from NWS SGX	
lational Weather Service Raw	Text Product	
splaying AFOS PIL: NPWSGX Received: 2015-07-0	18 19:39 UTC	
← Previous in Time		
View All KSGX Products for 08 Jul 2015		
Next in Time →		
Latest Product View As Image		
F 390 MMUS76 KSGX 081939 NPMSGX		
URGENT - MEATHER MESSAGE NATIONAL MEATHER SERVICE SAN DIEGO CA 1239 PM PDT WED JUL 8 2015		
STRONG MINDS LIKELY THROUGH THURSDAY EVENIN	IG FOR THE MOUNTAIN	
STRONG DISHORE FLOW MILL GENERATE STRONG AND DURING THE EVENING AND EARLY MORNING HOURSF. COACHELLA VALLEY NEAR SAN GORGONIO PASSAND LOCATIONS IN THE SAN DIEGO COUNTY DESERTSSUMINDS WILL WEAKEN OVERNIGHT THURSDAY.	FOR THE NORTHERN THE WIND PRONE	
CAZ062-065-090500- /O.EXT.KSGX.WI.Y.0023.150708T2000Z-150710T0600 SAN DIEGO COUNTY DESERTS-SAN GORGONIO PASS NEA 1239 PM PDT NED JUL 8 2015	AR BANNIING-	
WIND ADVISORY NON IN EFFECT UNTIL 11 PM PDI * WINDSWEST WINDS 20 TO 30 MPH WITH GUSTS T ISOLATED GUSTS TO 60 MPH AT TIMES. * TIMINGWINDS INCREASING THIS AFTERNOON * OCCURRING THIS EVENING THROUGH EARLY THURSDA	TO SO MPH AND	
THURSDAY EVENING. * LOCATIONTHROUGH AND BELOW THE SAN GORGONI NORTH OF INTERSTATE 10. MIND-PRONE AREAS OF DESERTSINCLUDING INTERSTATE 8.	TO PASS ALONG AND	
* VISIBILITYBLOWING DUST AND SAND COULD REC MILE OR LESS AT TIMES IN THE DESERTS.	XXCE VISIBILITY TO 1	
* IMPACTSHIGH PROFILE VEHICLES COULD HAVE D NAVIGATING ROADS WITH STRONG CROSS WINDS.	DIFFICULTY	
* OUTLOOKSTRONG WINDS WILL GRADUALLY SUBSIC NIGHT INTO FRIDAY MORNING.	DE LATE THURSDAY	
PRECAUTIONARY/PREPAREDNESS ACTIONS A MIND ADVISORY MEANS THAT MIND GUSTS OF 50 MP MINDS THIS STRONG CAN MAKE DRIVING DIFFICULT PROFILE VEHICLES. USE EXTRA CAUTION.		
8.8		
\$\$		
»» Harrison		
serinaevil		
opyright © 2001-2017, lowa State University of Scie I abbreviations 🃞 contact us 🗡 development 🛆 disc		Search Site with Google
abbreviations Contact us / development At disc	and apps := not apps	Enter search term

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201507081939

1/1

Fig A-12: The Urgent Weather Message, issued 1139 PM PST (1239 PM PDT) on July 8, 2015 identified strong and gusty winds within the San Diego deserts such as Interstate 8. Source: NPW from NWS SGX; lowa Environmental Mesonet:

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201507081939

FIGURE A-13 URGENT WEATHER MESSAGE WIND ADVISORY PHOENIX

2017	IEM :: NPW from NWS PSR	
lational We	ather Service Raw Text Product	
splaying AFOS PIL	: NPWPSR Received: 2015-07-08 22:33 UTC	
← Previous in Time		
View All KPSR Prod	ducts for 08 Jul 2015	
Next in Time →		
Latest Product	View As Image	
F 983 WMUS75 KPSR 08223 NPWPSR	3	
URGENT - WEATHER NATIONAL WEATHER 333 PM MST WED JU	SERVICE PHOENIX AZ	
IMPERIAL COUNTY- INCLUDING THE CIT	0009.00000T0000Z-150709T1400Z/ IES OFBRANLEYCALEXICOEL CENTRO THE SALTON SEA L 8 2015	
* AFFECTED AREA OCOTILLOPORT	REMAINS IN EFFECT UNTIL 7 AM PDT THURSDAYFAR SOUTHMEST IMPERIAL COUNTYINCLUDING IONS OF INTERSTATE 8 FROM NEAR DIXIELAND MEST O COUNTYAND SALTON CITY INCLUDING NEARBY NHAY 86.	
* TIMINGFROM 3	PM THIS AFTERNOON TO 7 AM TOMORROW MORNING.	
	ED MINDS FROM THE WEST OF 20 TO 30 MPH MITH MPHLOCALLY HIGHER NEAR TERRAIN-CHANNELED	
	CULT DRIVING CONDITIONS ESPECIALLY ALONG NORTH- OMING DUST MAY ALSO DEVELOPREDUCING IMES.	
PRECAUTIONARY/PRE	PAREDNESS ACTIONS	
30 AND 40 MPH ARE 58 MPH. WINDS THI FOR HIGH PROFILE AREAS COULD RESUL	EANS THAT SUSTAINED MIND SPEEDS OF BETWEEN EXPECTEDOR WIND GUSTS OF BETWEEN 40 AND S STRONG CAN MAKE DRIVING DIFFICULTESPECIALLY VEHICLES. IN ADDITIONSTRONG WINDS OVER DESERT TIM BRIEFLY LOMERED VISIBILITIES TO WELL UNDER N BLOWING DUST OR BLOWING SAND. USE EXTRA	
&&		
\$\$		
opyright © 2001-20	17, lowa State University of Science and Technology.	Search Site with Google
	ontact us № development 🛆 disclaimer 🗏 list apps	Enter search term

https://mesonet.agron.iastate.edu/wx/afos/p.php?piI=NPWPSR&e=201507082233

1/1

Fig A-13: The Urgent Weather Message, issued 233 PM PST (333 PM MST) on July 8, 2015 identified the potential for gusty winds and blowing dust in Imperial County. Source: NPW from NWS PSR; Iowa Environmental Mesonet:

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201507082233

2/4

FIGURE A-14 AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE PHOENIX

1/16/2018 IEM :: AFD from NWS PSR FXUS65 KPSR 090436 AFDPSE AREA FORECAST DISCUSSION NATIONAL WEATHER SERVICE PHOENIX AZ THUNDERSTORM CHANCES WILL BE SIGNIFICANTLY LOWER THAN USUAL F MIDDLE OF THE MONSOON SEASON...AND PRIMARILY RELEGATED TO THE MOUNTAINS OF NORTHERN AND EASTERN ARIZONA THE NEXT SEVERAL DAYS DESPITE THE LACK OF STORM ACTIVITY...TEMPERATURES WILL REMAIN NEAL TO SLIGHTLY BELOW NORMAL. THIS WEEKEND AND EARLY NEXT WEEK...HIGH PRESSURE WILL STRENGTHEN AGAIN LEADING TO WARMER TEMPERATURES. THERE MAY ALSO BE AN INCREASE IN STORM ACTIVITY...MAINLY OVER EASTERN ARIZONA. .DISCUSSION... MINIMAL RADAR ACTIVITY OCCURRED ACROSS OUR FORECAST AREA THIS EVENING...MITH ONLY A FEM SHORT-LIVED THUNDERSHOWERS THAT SKIRTED THE SOUTHERN GILA COUNTY HIGHER TERRAIN A FEW HOURS AGO. 00Z/03Z PSF BALLOONS INDICATED THE DEEP MIXING PROFILE TODAY AND A THINNING PM SFC DOWN AROUND THE 1 INCH MARK...ALONG WITH DOMINANT WEST TO SOUTHMEST MINDS THROUGH THE MAJORITY OF THE PROFILE. THE UNSEASONABLY STRONG WESTERLY WINDS ALSO SHUNTED THE STORM ACTIVITY OFF WELL TO OUR EAST AND NORTH...KEEPING AREAS OF NM...UT...AND CO BUSY WITH STORMS THIS EVENING. WHILE THE RADAR SCOPES WERE GENERALLY QUIET TONIGHT...STRONG WHILE THE MAURIE SCOPES WERE GENERALLY QUET TOWNING. STRONG WESTERLY GAP/SUNDOWNER WINDS CONTINUE ALONG THE PENINSULAR RANGES BETWEEN SAN DIEGO AND IMPERIAL COUNTIES. LATEST OBS OUT OF EL CENTRO NAS HAVE WIND GUSTS IN THE 305 WITH SOME VISIBILITY REDUCTION IN BLOWING DUST. EVENING CROSS SECTION MODEL FCSTS INDICATE THE STABLE LAYER DEFLECTION AND RESULTING GUSTY SFC WINDS INTO THE IMPERIAL VALLEY...AND EVEN A BIT FURTHER INTO THE FAR EASTERN REACHES OF IMPERIAL COUNTY...WILL CONTINUE FOR THE NEXT SEVERAL HOURS. WIND ADVISORY CONTINUES FOR THE IS GRADE INTO IN-KO-PAH THROUGH THURSDAY GRID UPDATES TONIGHT INCLUDED EXPANDING THE COVERAGE OF PATCHY BLOWING DUST/SAND WORDING THROUGH EL CENTRO/IMPERIAL OVERNIGHT. THE GFS-GEM-NAM 602 RUNS INDICATE SOME POTENTIAL PRECIP ACTIVITY
BUBBLING UP OVER GILA AND FAR EASTERN PINAL COUNTIES TOMARDS SUNRISE
THURSDAY...POSSIBLY SIMILAR TO THE THIN BAND OF ACTIVITY OBSERVED ACROSS THE AREA THIS MORNING. EVENING HI-RES FCSTS ARE NOT AS ENTHUSED...BUT THE HRRR SAT FCST PRODUCT DOES INDICATE SOME COOLER CLOUD TOPS AND MAYBE A SHOWER OR TWO ALONG THE RIM AND EASTERN AZ HIGHER TERRAIN TOWARDS THURSDAY MORNING. KEPT SLIGHT CHANCES FOR THUNDER OVERNIGHT FOR THOSE AREAS WHILE MOSTLY ZEROING OUT POPS FOR THE LOWER DESERT ELEVATIONS. .PREVIOUS DISCUSSION.. A SUBTLE SHORTMAVE WITHIN THE STRONG SOUTHMEST FLOM ALOFT AND ASSOCIATED MOISTURE AXIS HAS LIFTED NORTHEAST WITH LARGER SCALE SUBSIDENCE AND ADDITIONAL DRYING WORKING INTO THE MAJORITY OF THE FORECAST AREA THIS AFTERNOON, OBJECTIVE ANALYSIS INDICATES
INSTABILITY SOLELY RELEGATED TO THE NORTHERN AND EASTERN PORTIONS OF THE STATE...WITH LITTLE TO NO OPPORTUNITY FOR ADDITIONAL AFTERNOON CONVECTION (SANS SRN GILA COUNTY). THEREFORE...ATTENTION TURNS TO IMPACTS FROM GUSTY MINDS INCLUDING THE STRONG LIKELIHOOD FOR AN IMPRESSIVE AND UNSEASONABLE SUNDOWNER EVENT THROUGH SWRN IMPERIAL COUNTY. THE AREA WEST OF EL CENTRO THROUGH THE IN-KO-PAH GORGE ALONG I-8 WILL LIKELY EXPERIENCE PERIODIC GUSTS AROUND 45 MPH CREATING HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES...JUSTIFYING A WIND ADVISORY FOR JUST THE SMALL SOUTHWEST SEGMENT OF IMPERIAL COUNTY. WHILE STRONGER WINDS MAY BEGIN AS EARLY AS LATE THIS AFTERNOON...TRADITIONALLY THE TIMING OF STRONGEST MINDS SUGGESTS AROUND AND THE FEW HOURS AFTER SUNSET WILL EXPERIENCE THE STRONGEST GUSTS AND LARGEST IMPACTS. THURSDAY AND FRIDAY. THE UPPER LOW BECOMES CENTERED OVER CALIFORNIA THURSDAY WITH AN ANOMALOUS JET STREAK AND VORT MAX RAPIDLY SWINGING THROUGH THE MOHAVE DESERT REGION DURING THE AFTERNOON AND EVENING. IN FACT...122 KTMC AND KNKX SOUNDINGS SAMPLED H2 WESTERLY WINDS NEAR

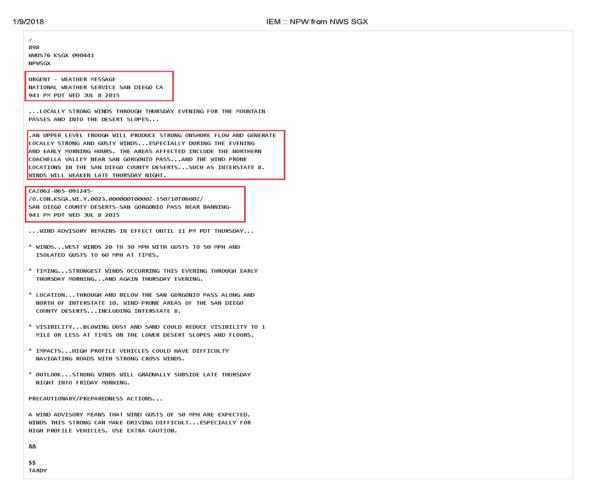
Fig A-14: The Area Forecast Discussion, issued 835 PM PST (935 PM MST) on July 8, 2015 identified strong westerly winds into the Imperial County. Source: AFD from NWS SGX; lowa Environmental Mesonet:

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201507090435

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201507090435

2/2

FIGURE A-15 URGENT WEATHER MESSAGE WIND ADVISORY SAN DIEGO





esonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201507090441

Fig A-15: The Urgent Weather Message, issued 841 PM PST (941 PM PDT) on July 8, 2015 identified the strong onshore with locally strong and gusty winds along the San Diego deserts. Source: NPW from NWS SGX; Iowa Environmental Mesonet: https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201507090441

FIGURE A-16 AIR QUALITY INDEX

Air Quality Index Levels of Health Concern	Numerical Value	Meaning	
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.	
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.	
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.	
Very Unhealthy	201 to 300	Health alert: everyone may experience more serious health effects.	
Hazardous	301 to 500	Health warnings of emergency conditions. The entire population is more likely to be affected.	

Fig A-16: The Air Quality Index (AQI) is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health affects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source: https://airnow.gov/index.cfm?action=aqibasics.aqi

Imperial County Air Pollution Control District Daily Weather and Ag. Burning Information Date: Wednesday, July 8, 2015 Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS WINDS MILES PER LOCAL VISIBILITY TEMP °F TIME HOUR MILES 7 AM CALM 10 83 8 AM 85 CALM 10 WNW 7 9 AM 88 10 10 AM 91 VRBL 3 10 NNW 6 11 AM 96 10 NOON W 6 99 10 1 PM 102 SW 5 10 2 PM 106 W 7 10 3 PM 107 SW 5 10 4 PM 108 W 9 10 5 PM 107 W 3 10 6 PM 107 WSW 9 10 7 PM 100 W 14/G23 10 Max. Temperature yesterday was | 108 | degrees Today's Mt. Signal Visibility at 7:30 AM Clear NKX 12Z 500 MB Height 1Y7 12Z 500 MB Height **Forecasts** High Today 99-104 Local Forecast Computer Forecast (RUC 40KM 12Z) (Issued 8 AM Local) Est. Time Mixing Height reaches 3000 feet 9:00 a.m. 10,500 Forecast of Maximum Mixing Height feet feet W 10-15 W 10-15 Forecast for Morning surface winds mph mph SW 15-25 SW 15-25 Forecast for afternoon surface winds mph mph W 15-25 G/35 Forecast for evening surface winds mph 5-12 Forecast 10 AM - 3 PM transport winds mph Comments/Complaints: 11-3 Burn Hours ARB No Burn Day ... District called No Burn Day Total actually burned today _ acres Crops burned WB IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int

FIGURE A-17
IMPERIAL COUNTY DAILY WEATHER AND AG BURNING INFORMATION

Fig A-17: A copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "Burn Day" on July 8, 2015

FIGURE A-18 IMPERIAL COUNTY AFFIDAVIT 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION (2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of genera circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

SIGNATURE

Name of Account: I C AIR POLLUTION

CONTROL

Order Number: 11143574 Ad Number: 31364715

* Printer, Foreman of the Printer, or Principal Clerk of the Printer

Date: 31 st day of January, 2018. at El Centro, California.

This space is for the County Clerk's Filling Stamp:

o about k	Maga.	pose	of landarities	The same	Carrent and the last	
k, espec	ela an	onno	UR POLIC POS COSTROL	DISTRICT	he which near	
Assertment of the last			NOTICE OF AVAIL	A DIL ITY	ion, with a relie	The maintenance of the contract of the contrac
The Pha		OF THE DE	MONSTRATION OF	THE OC	CURRENCE	
		OFF	OUR EXCEPTIONAL	EVENT	S (EE)	erigions wilders
the Air District	air mon Metho	which suppo itoring sites. d monitor (FR	ontroi District (Air Distr it the requested excli- Listed below by date, tM) or with a continuo	usion of	measured 24-hour concentration as me	concentrations at
2014			2016			
May 20			May 25			
Brawley FEM	250	ug/m3	Brawley FEM	165	ug/m3	
2015 July 8	10	10 3	May 20-21 Brawley FEM	283	ug/m3	risk
Niland FEM	166	ug/m3	Calexico FEM	159	ug/m3	A CONTRACTOR OF THE PARTY OF TH
			Niland FEM	309	ug/m3	
This same			Westmorland	FEM	370 ug/m3	DEAR ABBY
190 Ex			Brawley FEM	199	ug/m3	Course of American
WESTERNING			CalexicoFEM	228	ug/m3	The state of the s
BI. STREET			El Centro	FEM	252 ug/m3	thick Stains
ed above. The 2015 and 2016 of an aerodyna ed PM10 into t vide the scient comments for	ese dem 3 Air Dis amic size the region affic justil 30 days	trict air moniti less than 10 in affecting Ri fication for the commencing	are encouraged to re- rovide the supporting ors were affected by e- microns (PM10). Wil- verside, Imperial and a requested exclusion the date of the public 18 by close of busines	evidence entrained nds, asso San Dieg s. The A ation of t	that on the days in elevated tevels of ociated with a weath o countles. The four District is solicities	dicated for 2014, particulate matter her event entrain- ur Draft EE's pro-
www.co.imperia	al.ca.us, llution C ns plea	under "Air Po	above are available offlution". To view a ha office at 150 S, 9th S call our office between	treet. El	of any of the four D Centro. Should you and 5pm at (442) 2	oraft EE's, please I have any ques- 85-1800 and ask
L100	in hed	700-W115		the row	J31	face on ma.I



Fig A-18: A copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Events Demonstration for July 8, 2015. The date for closing comments was March 2, 2018

FIGURE A-19 IMPERIAL COUNTY COMMENTS REGARDING THE JULY 8, 2015 EE DEMONSTRATION

The ICAPCD did not receive any comments